

STUDY LOSE THE DISSOLVE HARA NPK
AT STREAM DEBIT AND SUSPENSION DEBIT
IN SUB DAS GUNUNG GEDE RPH JATI, BKPH BATURETNO
KPH SURAKARTA, JAWA TENGAH

ABSTRACT

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This research was aim to identify the relation between charge of stream and the debit of missing dissolve. Stream of NPK through area weir.

This research was conducted by measurement of stream debit, the suspension and the dissolve stream NPK. Stream debit was measured by Current Meter. Suspension debit and NPK stream debit was measured by suspended sampler. To identify the relation between dependent variable, independent variable and regression comparison, the data was analyzed by Microsoft Excel and SPSS For Windows Version 10.

The result of this research could be explained by Logarithmic curve $Q = 0,3166 (H)^{2,1466}$. The Correlation between stream debit and suspension loses was significant to suspension debit. Volume of suspension debit could be predicted by $Q_s = 0,0005 (Q)^{2,7318}$. The dissolve stream debit of NPK was also influenced by volume of suspension debit, and could be predicted by exponential curve of nitrogen. $Q \text{ Nitrogen} = 0,0312e^{0,0143(Q)}$, which was consist in $Q \text{ Phosphor} = 1E-07Q^3 - 3E-05Q^2 + 00035Q - 0,0961$ and $Q \text{ Kalium} = 2E-7Q^3 - 3E-05Q^2 + 0,003 + 0,0137$. The stream debit and the dissolve stream debit of NPK had possible correlation.

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